

## Sector C – Chemical & Allied Products Manufacturing, and Refining.

### C.1 Covered Stormwater Discharges.

The requirements in Sector C apply to stormwater discharges associated with industrial activity from Chemical and Allied Products Manufacturing, and Refining facilities, as identified by the SIC Codes specified under Sector C of Appendix A of the permit.

### C.2 Limitations on Coverage.

C.2.1 *Prohibition of Non-Stormwater Discharges.* (See also Part I.C) The following are not covered by this permit: non-stormwater discharges containing inks, paints, or substances (hazardous, nonhazardous, etc.) resulting from an onsite spill, including materials collected in drip pans; washwater from material handling and processing areas; and washwater from drum, tank, or container rinsing and cleaning.

### C.3 Sector-Specific Benchmarks

Table C-1 identifies benchmarks that apply to the specific subsector of Sector C. These benchmarks apply to both your primary industrial activity and any co-located industrial activities. You may be subject to requirements for more than one sector/subsector.

**Table C-1 Subsector C1 Benchmarks (Composting Facilities SIC Code 2875)**

PARAMETER	Benchmark	Units	Frequency	Sample Type
Nitrate plus Nitrite Nitrogen <sup>1</sup>	0.68	mg/L	1/quarter	Grab
Total Lead <sup>2</sup>	0.082	mg/L	1/quarter	Grab
Total Iron	1.0	mg/L	1/quarter	Grab
Total Zinc <sup>2</sup>	0.014	mg/L	1/quarter	Grab
Phosphorus	2.0	mg/L	1/quarter	Grab

Notes:

(1) The benchmark values for nitrate plus nitrite nitrogen may be reported as either the concentration in the discharge, or as a net concentration calculated by subtracting the concentration of nitrate plus nitrite nitrogen in a contemporaneous sample of rainwater from the concentration in the discharge.

(2) The benchmark values of some metals are dependent on water hardness. For these parameters, you must determine the hardness of the receiving water per Table C-2.

**Table C-2. Hardness Ranges to Be Used to Determine Benchmark Values.**

All Units mg/L	Benchmark Values (mg/L, total)	
	Lead	Zinc
0-24.99 mg/L	0.014	0.04
25-49.99 mg/L	0.023	0.05
50-74.99 mg/L	0.045	0.08
75-99.99 mg/L	0.069	0.11
100-124.99 mg/L	0.095	0.13
125-149.99 mg/L	0.122	0.16
150-174.99 mg/L	0.151	0.18
175-199.99 mg/L	0.182	0.20
200-224.99 mg/L	0.213	0.23
225-249.99 mg/L	0.246	0.25
250+ mg/L	0.262	0.26

**C.4 Effluent Limitations Based on Effluent Limitations Guidelines. (See also Part V.B and Part V.C of the permit.)**

Table C-3 identifies effluent limits that apply to the runoff from phosphate fertilizer manufacturing facilities that comes into contact with any raw materials, finished product, by-products or waste products. Compliance with these effluent limits is to be determined based on discharges from these industrial activities independent of commingling with any other waste streams that may be covered under this permit.

**Table C-3 Numeric Limits for Discharges from Phosphate Fertilizer Manufacturing (SIC 2874)**

PARAMETER	Effluent Limit	Units	Frequency	Sample Type
Total Phosphorus (as P)	105.0, daily maximum 35, 30-day avg.	mg/L	1/month	Grab
Fluoride	75.0, daily maximum 25.0, 30-day avg.	mg/L	1/month	Grab